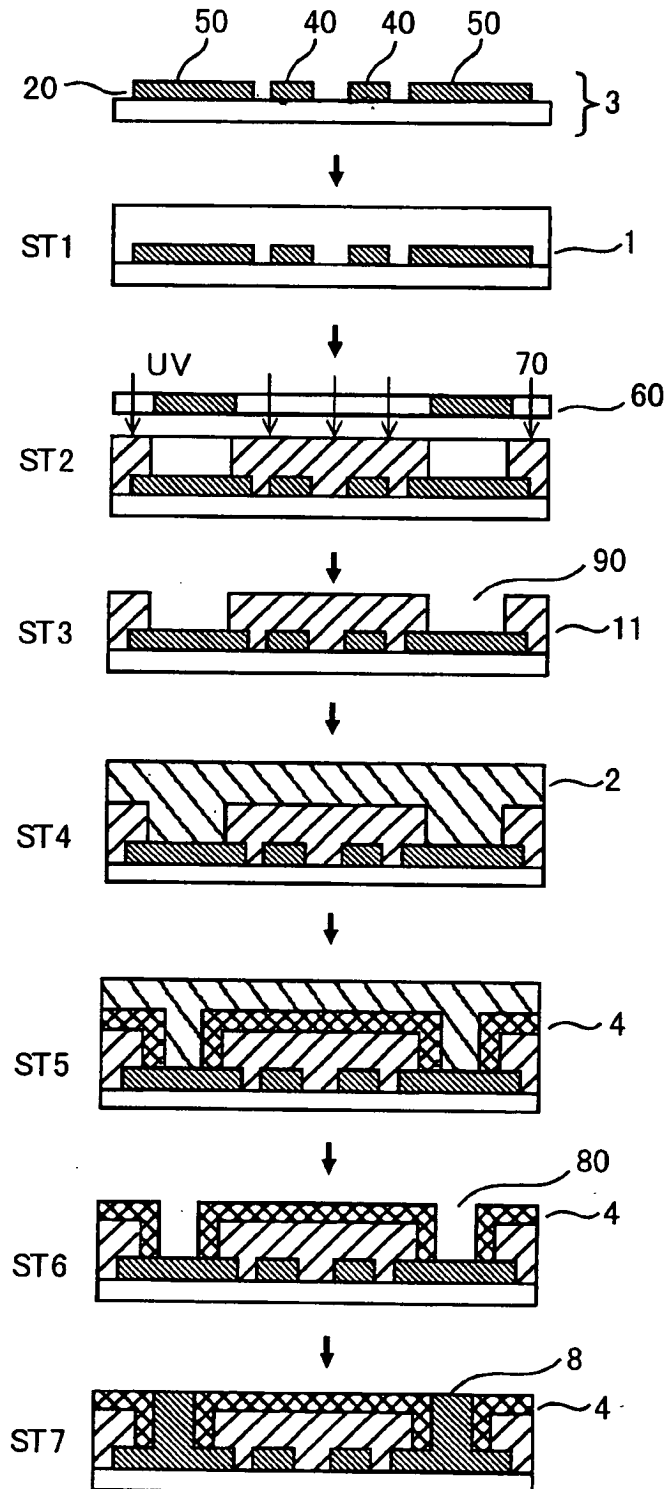


Fig. 1



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Fig.2

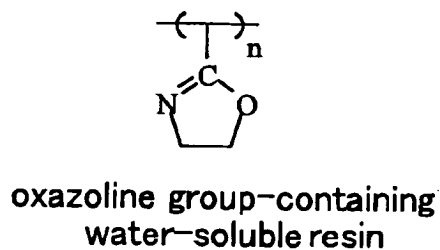
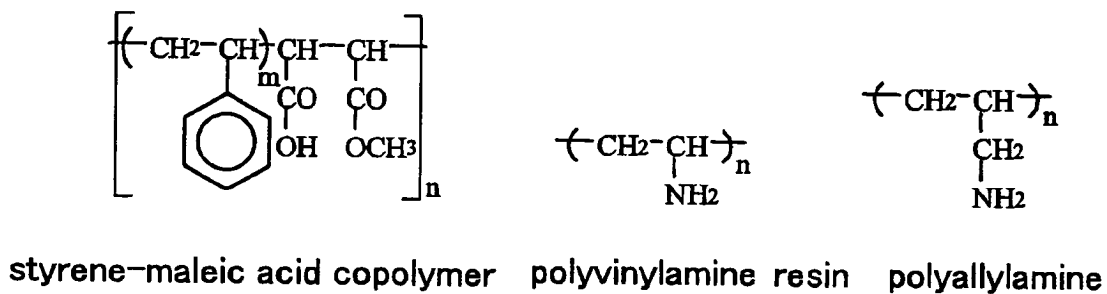
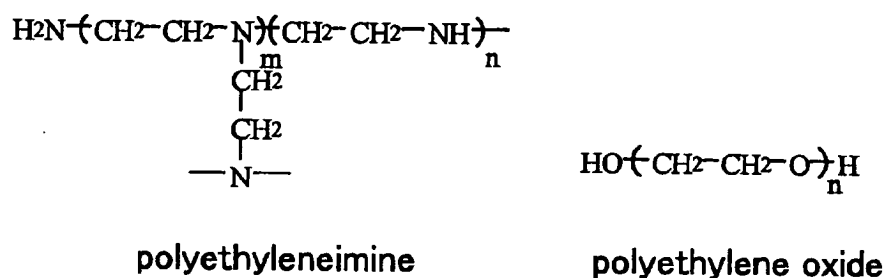
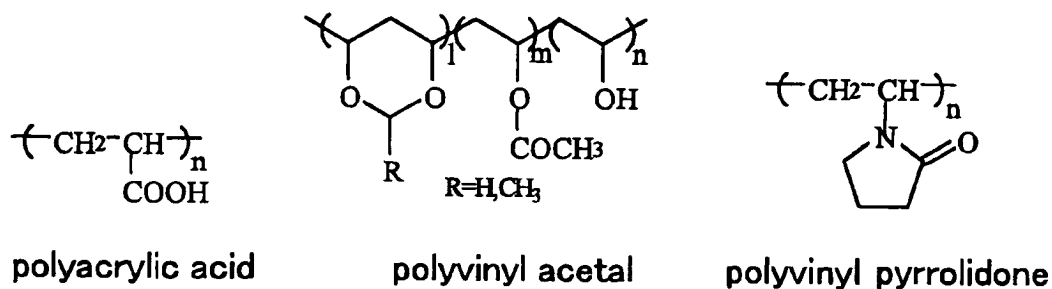
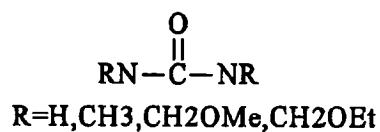
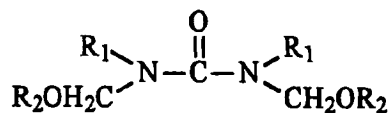


Fig.3

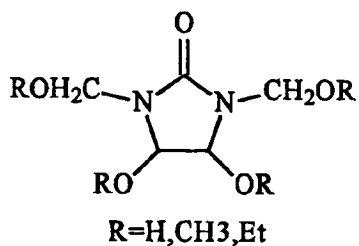


ureaderivatives

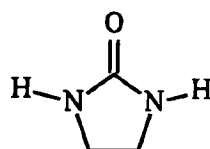


$\text{R}_1=\text{H}, \text{CH}_3, \text{CH}_2\text{OMe}, \text{CH}_2\text{OEt}$
 $\text{R}_2=\text{H}, \text{CH}_3, \text{Et}$

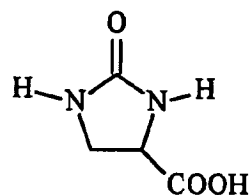
alkoxymethylurea



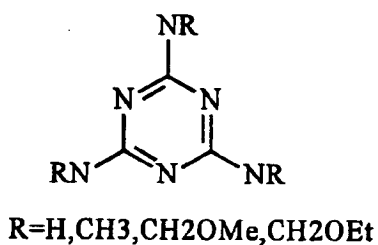
N-alkoxyethyleneurea



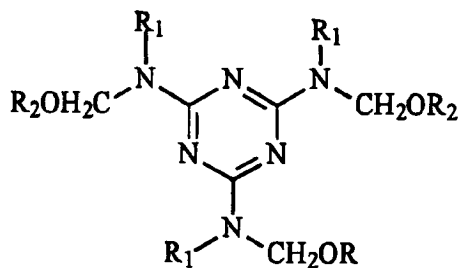
ethyleneurea



ethyleneureacarboxylic acid

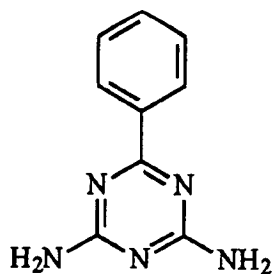


melamine derivatives

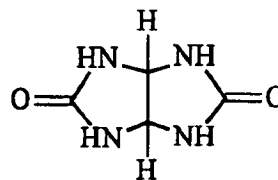


$\text{R}_1=\text{H}, \text{CH}_3, \text{CH}_2\text{OMe}, \text{CHOEt}$
 $\text{R}_2=\text{H}, \text{CH}_3$

alkoxymethylmelamine derivatives



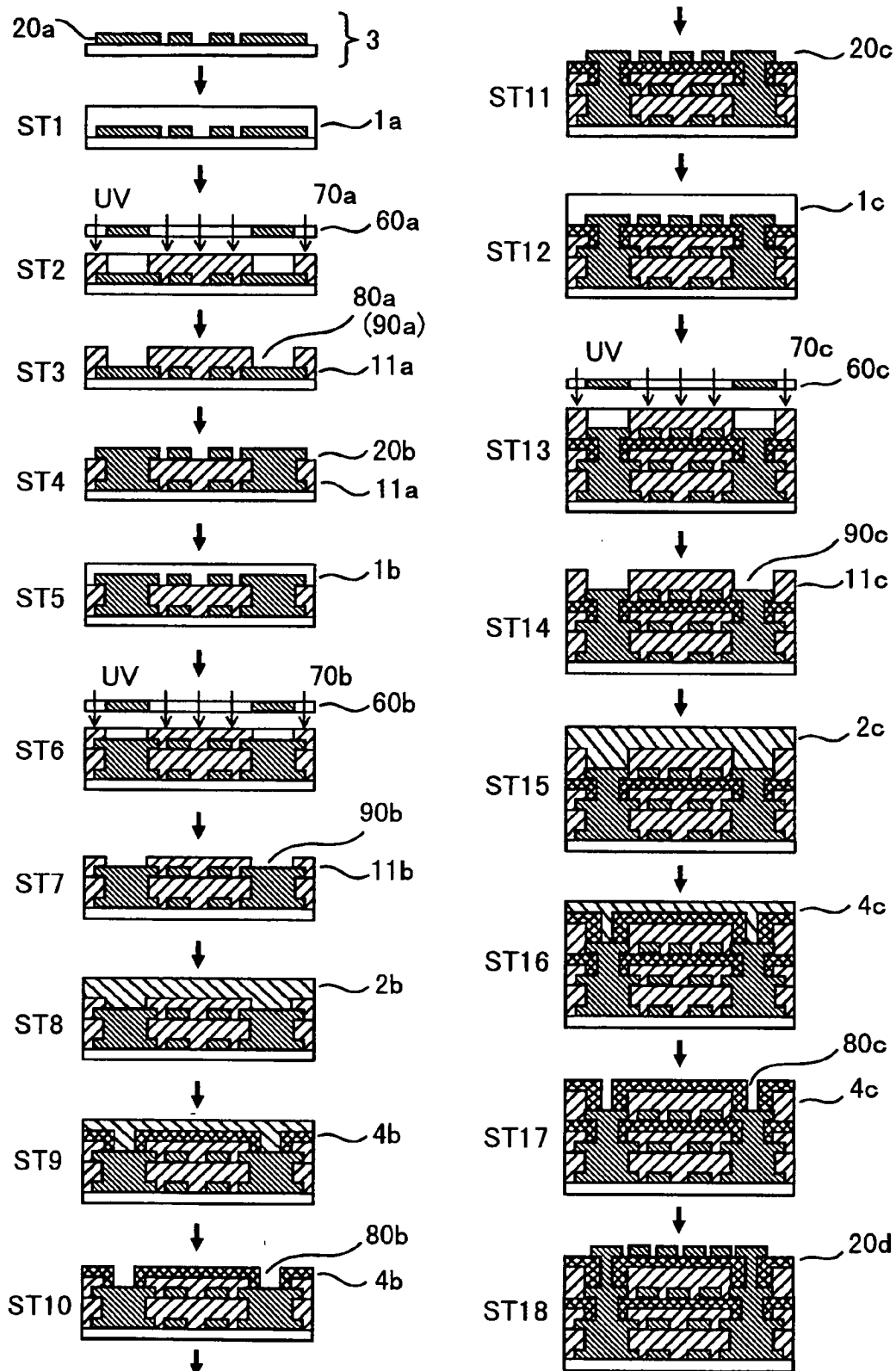
benzoguanamine



glycoluril

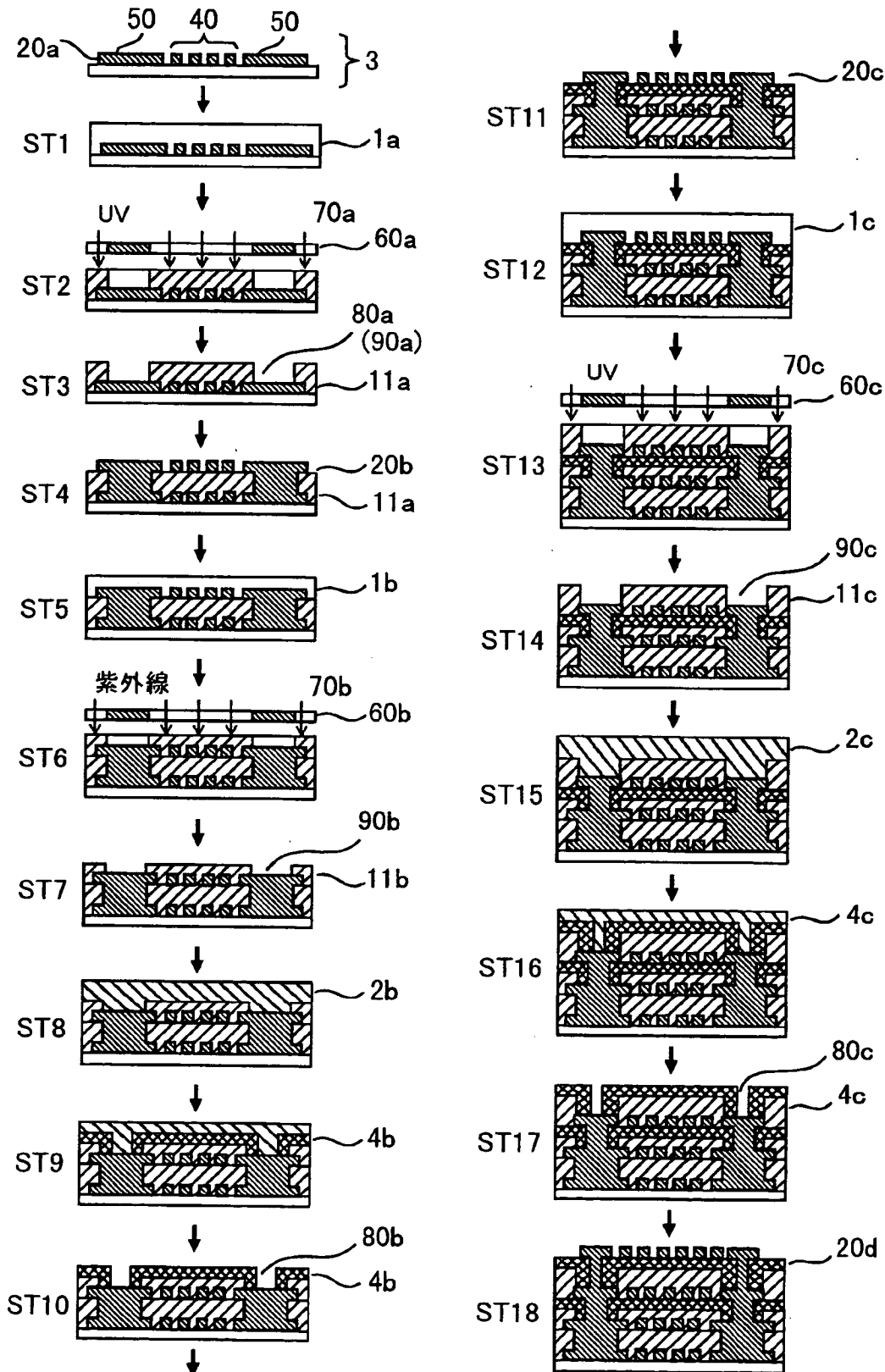
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Fig.4



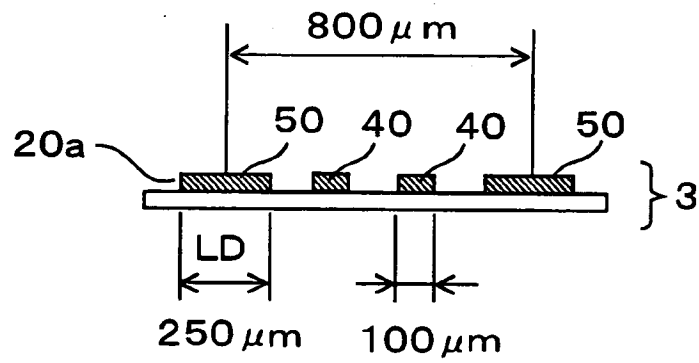
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Fig.5



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Fig.6



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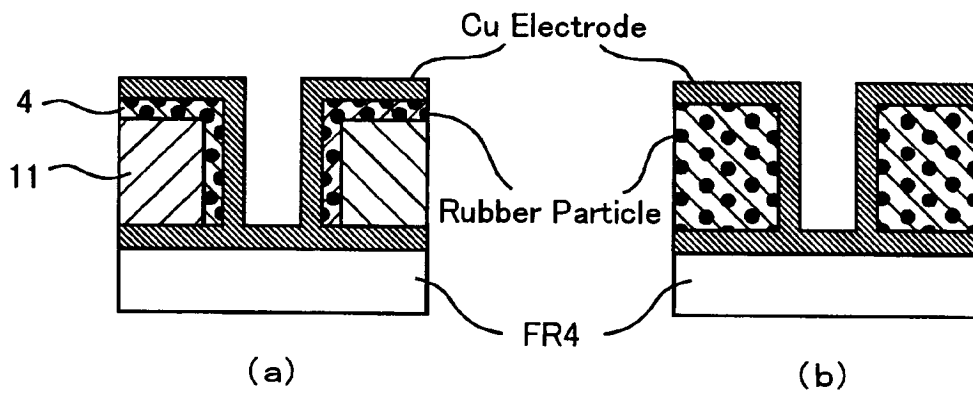
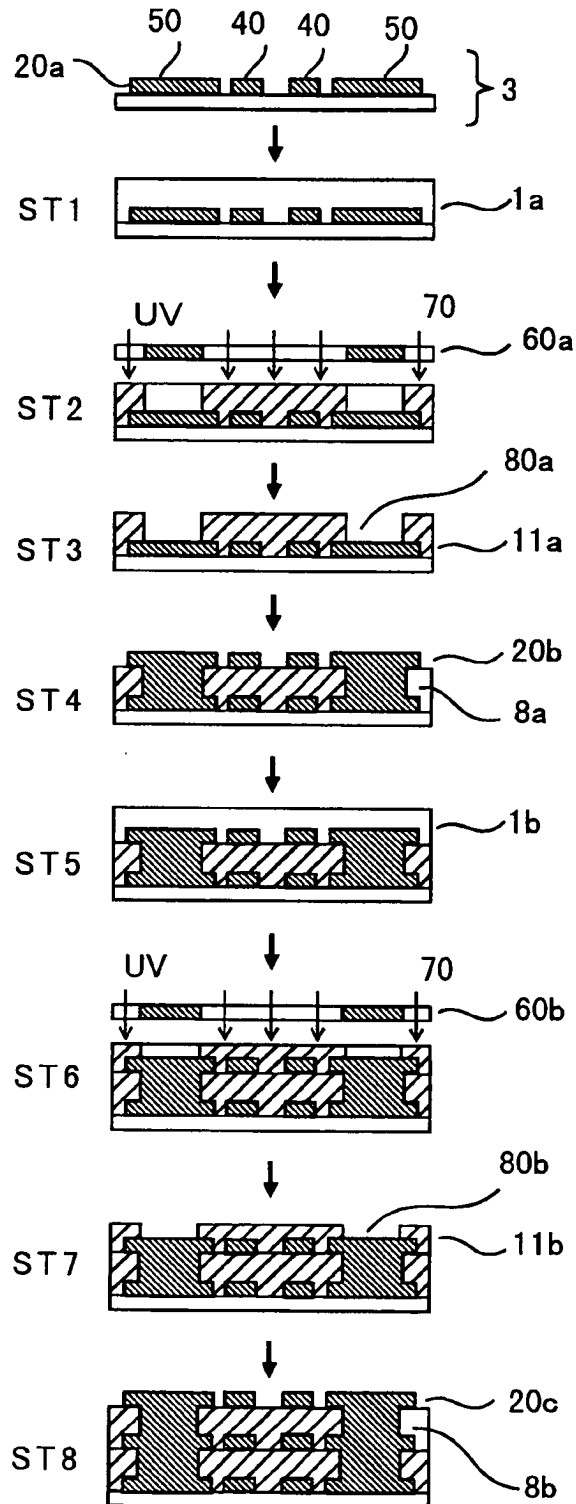


Fig.8
PRIOR ART



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Table 1

Condition	Diameter of Via-Hole
Non Heat Treatment	150 μ m
120°C/60min	130 μ m
130°C/30min	100 μ m
140°C/30min	70 μ m

Table 2

Condition	Diameter of Via-Hole
Non Heat Treatment	150 μ m
110°C/10min	120 μ m
110°C/20min	100 μ m
110°C/30min	80 μ m
135°C/40min	40 μ m

Table 3

Condition	Diameter of Via-Hole
Non Heat Treatment	150 μ m
110°C/15min	120 μ m
120°C/15min	100 μ m
130°C/15min	80 μ m
135°C/20min	45 μ m

Table 4

Condition	Diameter of Via-Hole
Non Heat Treatment	100 μ m
120°C/30min	96 μ m
130°C/30min	90 μ m
140°C/30min	83 μ m

Table 5

Sample	Dielectric Constant [1kHz 25°C]	Thermal Expansion [Vertical 80~120°C]	Peel Strength [90° Peel 25°C]
Evaluation Board A	4.5	40ppm	980kg/cm
Evaluation Board B	4.8	55ppm	970kg/cm